DMIE Procedure
EEE Parts Program

1. Title

Electronic, Electromechanical, Electromagnetic (EEE) Parts Program

2. Process

Parts Knowledge Management

3. Steps

Actor	Step	Action
Office 507	1	Identify the type of data or information required or desired. Use available sources for input of requests. The following is a representation of these sources: a. Technology Teams b. Customer Inputs c. Workshop Feedback d. Industry Interaction
Office 507	2	Determine the need for the information and suitability for future applications
Office 507	3	Develop plans a. Data collection plans b. Collaboration and Teaming Arrangements c. Data Collection Approaches d. Decisions for Performing the tasks internally or externally e. Sequester workforce and funds
Office 507	4	Generate Data a. Attend/Conduct Classes b. Generate Alerts c. Conduct Tests d. Perform Evaluations e. Perform Inspections

		f. Literature Search g. Participate in Conferences h. Publish Results
Office 507	5	Capture Data a. Develop and maintain Databases b. Conduct Training Classes c. Provide access to data files
Office 507	6	Data Processing and Analysis a. Perform Data Analysis b. Develop Conclusions and Recommendations
Office 507	7	Disseminate Information b. Conduct Classes c. Publish Results Externally and Internally d. Publish on Web site e. Participate in Conferences and Workshops f. Conduct Project Education Presentations
Office 507	8	Determine Suitability of Information a. Conduct Survey of Customers b. Determine suitability of data for publication c. Determine suitability of the dissemination process d. Determine suitability of the data collection process

4. Applicability

This procedure applies to all personnel developing electronic parts related information for the EEE Parts Program.

5. Tips (optional)

Additional information about electronic parts and parts engineering can be found at http://parts.jpl.nasa.gov/.

6. Source

Provide Electronic Parts Engineering
Design, Build, Assemble, Test
Design New Products Policy

7. Rationale

The procedure is intended to capture and maintain data and experiences developed through special studies or during the selection, acquisition and use of electronic parts. The special studies typically benefit current and future projects by providing the latest technical information regarding parts used in flight hardware. Data captured during the acquisition and build phases provide traceability, share solutions for problems and provide baseline information for future projects.

8. Consequences

Natural consequences:

- Lack of latest technical information on emerging technologies.
- Loss of parts experience from previous missions.
- Higher costs since research is not leveraged through partnering

9. Trigger/Result (optional)

TRIGGER: Identification of new technologies that have benefit potential for JPL missions.
RESULT: Determine the need for the information and suitability for future applications.

TRIGGER: Identification of electronic parts process data that could benefit future projects.
RESULT: Determine the need for the information and suitability for future applications.

10. Related Procedures (optional)

Parts Program Management
Develop Approach
Support Selection
Parts Acquisition
Post-Delivery Support
Parts Engineering Facility Management
Closed Loop Alert System

11. Frequently Asked Questions (optional)

[enter text here]

12. Change Description

This is a new procedure.

13. Notification (optional)

[X] Visible Draft or
[ ] Invisible Draft

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